

Amendments to the Specification:

Please delete the title in its entirety, and replace with the following :

HEAT ACCUMULATING METHOD AND DEVICE

Please replace the paragraph, beginning at page 37, line 18, with the following rewritten paragraph:

~~FIG. 14~~FIG. 14(A) and (B) is a schematic view of the thermal storage apparatus according to a fourth embodiment of the present invention.

Please replace the paragraph, beginning at page 37, line 21, with the following rewritten paragraph:

~~FIG. 15~~FIG. 15(A) and (B) is a schematic view of a reaction portion of the thermal storage apparatus according to the fourth embodiment of the present invention.

Please replace the paragraph, beginning at page 65, line 14, with the following rewritten paragraph:

~~FIG. 14~~FIGS. 14(A) and (B) show block diagrams of the thermal storage apparatus according to the fourth embodiment, where ~~FIGS. 14A and 14B~~FIGS. 14(A) and 14(B) show a thermal storage time and a radiation time respectively. In ~~FIG. 14~~FIGS. 14(A) and 14(B), the portions indicated by the same reference symbols as in FIG. 8 are the same as those in FIG. 8. ~~FIG. 15~~FIGS. 15(A) and (B) show a block diagram of a reaction portion 67 doubling as the thermal storage reaction portion and exothermic reaction portion of the thermal storage apparatus according to the fourth embodiment, where ~~FIGS. 15A and 15B~~FIGS. 15(A) and 15(B) show a thermal storage time and a radiation time respectively.

Please replace the paragraph, beginning at page 65, line 24, with the following rewritten paragraph:

The reaction portion 67 has the same configuration as the thermal storage reaction portion 39 of the third embodiment. As shown in ~~FIG. 15~~FIGS. 15(A) and (B), however, the heated fluid passage 57 is placed inside it together with the fluid passage 44. An electrode portion 109 of the reaction portion 67 is comprised of a first electrode with a catalyst 106, a solid electrolyte 107 and a second electrode with a catalyst 108 as with the electrode portions 49 of the thermal storage reaction portion 39 of the third embodiment. The 2-propanol as the

thermal storage material is decomposed on the first electrode 106 of the electrode portion 109 on thermal storage so as to cause the endothermy.

Please replace the paragraph, beginning at page 67, line 9, with the following rewritten paragraph:

The fluid passage 44 and the heated fluid passage 57 are provided separately in ~~FIG. 14~~FIGS. 14(A) and (B). In the case where the same medium is flowing in both, it is also possible to render these passages common and appropriately select a passage direction and a heating location.

Please replace the paragraph, beginning at page 68, line 17 with the following rewritten paragraph:

The thermal storage apparatus according to a fifth embodiment of the present invention will be described as to its configuration and operation based on ~~FIGS. 15~~FIGS. 15(A) and (B) and 16. The thermal storage apparatus according to the fifth embodiment is different from that of the fourth embodiment in that the electric terminal 64 is connected to an electric heat conversion portion 68 as shown in FIG. 16. The configuration of the reaction portion 67 according to the fifth embodiment is the same as that of the reaction portion 67 according to the fourth embodiment, and ~~FIG. 15~~FIGS. 15(A) and (B) show the block diagram thereof.

Please replace the paragraph, beginning at page 69, line 3 with the following rewritten paragraph:

FIG. 16 shows a block diagram of the thermal storage apparatus according to the fifth embodiment. In FIG. 16, the portions indicated by the same reference symbols as in ~~FIG. 14~~FIGS. 14(A) and (B) are the same as those in ~~FIG. 14~~FIGS. 14(A) and (B). The electric heat conversion portion 68 can be the heater, thermoelectric element, heat pump or something similar. As for the thermal storage apparatus according to the fifth embodiment, a description will be given as to the case where the electric heat conversion portion 68 is the heater.